

FORM PTO-1390 (REV. 9-2001)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER <b>SMB-PT042 (PC 00 396 B US)</b>	
<b>TRANSMITTAL LETTER TO THE UNITED STATES          DESIGNATED/ELECTED OFFICE (DO/EO/US)          CONCERNING A FILING UNDER 35 U.S.C. 371</b>				U.S. APPLICATION NO. (If known, see 37 CFR 1.5 <b>10/069,473</b>	
INTERNATIONAL APPLICATION NO. <b>PCT/EP00/06727</b>		INTERNATIONAL FILING DATE <b>July 14, 2000</b>		PRIORITY DATE CLAIMED <b>August 26, 1999</b>	
TITLE OF INVENTION <b>MEMBRANE PUMP</b>					
APPLICANT(S) FOR DO/EO/US <b>Hauser et al.</b>					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371. 2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31). 5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input checked="" type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).					
<b>Items 11 to 20 below concern document(s) or information included:</b>					
11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A <b>FIRST</b> preliminary amendment. 14. <input checked="" type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment. 15. <input checked="" type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A change of power of attorney and/or address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: - Response to Notification of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office - Copy of Notification of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office - Verification of Translation					

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/069,473</b>		INTERNATIONAL APPLICATION NO. <b>PCT/EP00/06727</b>		ATTORNEY'S DOCKET NUMBER <b>3MB-PT042 (PC 00 396 B US)</b>	
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<b>21. <input checked="" type="checkbox"/> The following fees are submitted:</b> <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO..... <b>\$1040.00</b>  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... <b>\$890.00</b>  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$740.00</b>  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... <b>\$710.00</b>  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <b>\$100.00</b>  <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<b>CALCULATIONS PTO USE ONLY</b>	
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	- 20 =		x <b>\$18.00</b>	\$	
Independent claims	- 3 =		x <b>\$84.00</b>	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ <b>\$280.00</b>	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				\$	
Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ <b>130</b>	
<b>TOTAL NATIONAL FEE =</b>				\$	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property +				\$	
<b>TOTAL FEES ENCLOSED =</b>				\$ <b>130</b>	
07/29/2002 00000056 10069473 07/11/2002 00000056 10069473 01 FC:154 130.00 OP				Amount to be refunded: \$	
				charged: \$	

a. ☒ A check in the amount of \$ 130 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
 A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any  
 overpayment to Deposit Account No. 22-0493. A duplicate copy of this sheet is enclosed.

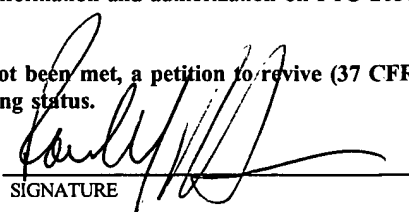
Adjustment date: 07/29/2002 00000056 10069473  
 07/11/2002 00000056 10069473  
 01 FC:154

☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card**  
 information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR  
 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

07/29/2002 00000002 10069473  
 01 FC:154 SEND ALL CORRESPONDENCE TO:

**Volpe and Koenig, P.C.**  
 Suite 400, One Penn Center  
 1617 John F. Kennedy Boulevard  
 Philadelphia, PA 19103

  
 SIGNATURE  
 Randolph J. Huis  
 NAME  
 34,626  
 REGISTRATION NUMBER

## PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

Hauser et al.

**Application No.:** 10/069,473**Confirmation No.:** 3369**Filed:** July 14, 2000**For:** MEMBRANE PUMP**Group:** Not Yet Known**Examiner:** Not Yet Known**Our File:** SMB-PT042  
(PC 00 396 B US)**Date:** July 1, 2002

**COMMUNICATION IN RESPONSE TO  
NOTICE OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371  
IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

Box PCT  
Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Notice of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US) mailed from the Office on April 29, 2002, the following are enclosed:

1. Copy of Notice of Missing Requirements;
2. Verification of Translation

\* \* \*

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to:  
Box PCT, Commissioner for Patents, Washington, D.C. 20231 on July 1, 2002.

7/1/2002  
Date of Signature

Randolph J. Huis  
Registration No. 34,626

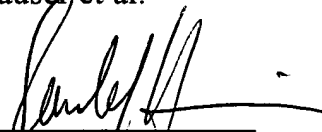
**Applicant: Hauser et al.**  
**Application No.: 10/069,473**

3. Translation of International Application PCT/EP00/06727;
4. Translation of Annexes to International Preliminary Examination Report for PCT/EP00/06727
5. Second Preliminary Amendment;
6. Substitute Specification;
7. Information Disclosure Statement with copies of cited references; and
8. A check in the amount of \$130 as payment of the surcharge for a large entity.

Respectfully submitted,

Hauser et al.

By



Randolph J. Huis  
Registration No. 34,626  
(215) 568-6400

Volpe and Koenig, P.C.  
Suite 400, One Penn Center  
1617 John F. Kennedy Boulevard  
Philadelphia, PA 19103

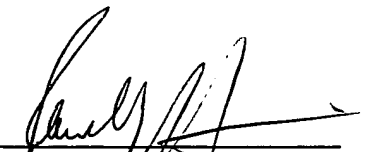
RJH/srs  
Enclosures (8)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:**PCT Appln. No.:** Hauser et al.  
PCT/EP00/06727**Application No.:** 10/069,473**Confirmation No.:** 3369**Filed:** July 14, 2000**For:** MEMBRANE PUMP**Group:** Not Yet Known**Examiner:** Not Yet Known**Our File:** SMB-PT042  
(PC 00 396 B US)**Date:** July 1, 2002**VERIFICATION OF TRANSLATION**Commissioner for Patents  
Washington, D.C. 20231

Sir:

I hereby state that the attached translation is an accurate translation of  
PCT/EP00/06727.

Volpe and Koenig, P.C.  
Suite 400, One Penn Center  
1617 John F. Kennedy Boulevard  
Philadelphia, PA 19103  
\_\_\_\_\_  
Randolph J. Huis, Esquire  
Registration No. 34,626  
(215) 568-6400

RJH/srs



## UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents, Box PCT  
United States Patent and Trademark Office  
Washington, D.C. 20231  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/069,473	Erwin Hauser	SMB-PT042 (PC 00 396 B US

3624  
VOLPE AND KOENIG, P.C.  
SUITE 400, ONE PENN CENTER  
1617 JOHN F. KENNEDY BOULEVARD  
PHILADELPHIA, PA 19103

**RECEIVED**  
AM/PM

MAY 06 2002

**VOLPE & KOENIG, P.C.**

INTERNATIONAL APPLICATION NO.

PCT/EP00/06727

I.A. FILING DATE

PRIORITY DATE

07/14/2000

08/26/1999

CONFIRMATION NO. 3369

371 FORMALITIES LETTER



\*OC000000007965809\*

Date Mailed: 04/29/2002

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fees
- Priority Document
- Assignee Statement
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- Oath or Declaration
- Preliminary Amendments

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Translation of the application into English.
- Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 30 months from the priority date (37 CFR 1.492(f)).

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTH FROM THE DATE OF THIS NOTICE OR BY 22 or 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

**DOCKETED FOR** 6/29/02 missing requirements

## SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 for English translation surcharge required.

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

SHAKEEL AHMED

Telephone: (703) 305-3659

## PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/069,473	PCT/EP00/06727	SMB-PT042 (PC 00 396 B US

FORM PCT/DO/EO/905 (371 Formalities Notice)